

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

1. {AMENDED} A system [(500)] for radio communication in the microwave range, comprising a transmitting device and a receiving device, said transmitting device comprising a transmitter [(530)], an antenna [(510')], a filter [(520')] with variable filter characteristics, and a device [(550')] for controlling the variable filter [(520')], and said receiving device comprising a receiver [(540)], an antenna [(510)], a filter [(520)] with variable filter characteristics, and a device [(550)] for controlling the variable filter [(520)], the system being the system being characterized in that

the filters [(520,520')] are arranged between the antenna and the transmitter, and the antenna and the receiver, respectively,

the filters have variable filter characteristics,
each of said devices [(550,550')] for controlling the respective filters are responsive to control signals from an external source,

whereby the frequency range at which the respective device and thereby the whole system [(500)] operates can be controlled during operation.

2. {AMENDED} A system [(500)] according to claim 1, in which the external source for control signals for the device for controlling the variable filter [(520')] in the transmitting device is the device [(550)] for controlling the variable filter [(520)] in the receiving device and vice versa, whereby the two control devices are in communication with each other.

3 {AMENDED} A system [(500)] according to claim 1, in which the external source for control signals for the device for controlling the variable filter [(520',520)] in the transmitting device and in the receiving device is a central control device.

4. {AMENDED} A system according to [any of claims 1-3] claim 1, in which the variable filters [(520',520)] in the transmitting device and in the receiving device are bandpass filters.

5. {AMENDED} A system according to [any of claims 1-3] claim 1, in which the variable filters [(520',520)] in the transmitting device and in the receiving device are notch filters.

6. {AMENDED} A method for use in a system [(500)] for radio communication in the microwave range, the system having a transmitting device and a receiving device, said transmitting device comprising a transmitter [(530)], an antenna [(510')], a filter [(520')] with variable filter characteristics, and a device [(550')] for controlling the variable filter [(520')], and said receiving device comprising a receiver [(540)], an antenna [(510)], a filter [(520)] with variable filter characteristics, and a device [(550)] for controlling the variable filter [(520)], the method being characterized in that

arranging the filters [(520,520')] between the antenna and the transmitter, and the antenna and the receiver, respectively,

providing the filters with variable filter characteristics,

making each of said devices [(550,550')] for controlling the respective filters responsive to control signals from an external source,

whereby the frequency range at which the respective device and thereby the whole system [(500)] operates can be controlled during operation.

7. A method according to claim 6, in which the external source whose control signals the device for controlling the variable filter [(520')] in the transmitting device is responsive to is the device [(550)] for controlling the variable filter [(520)] in the receiving device and vice versa, whereby the two control devices are in communication with each other.

8. {AMENDED} A method [(500)] according to claim 6, in which the external source whose control signals the device for controlling the variable filter [(520',520)] in the transmitting device and in the receiving device are responsive to is a central control device.